

Monday, August 08, 2011  
7:46 AM

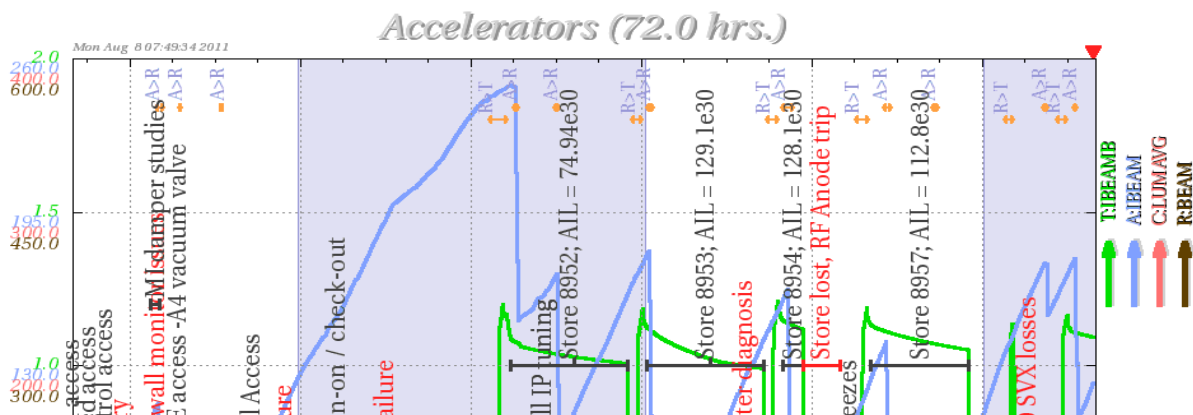
## Operational Notes

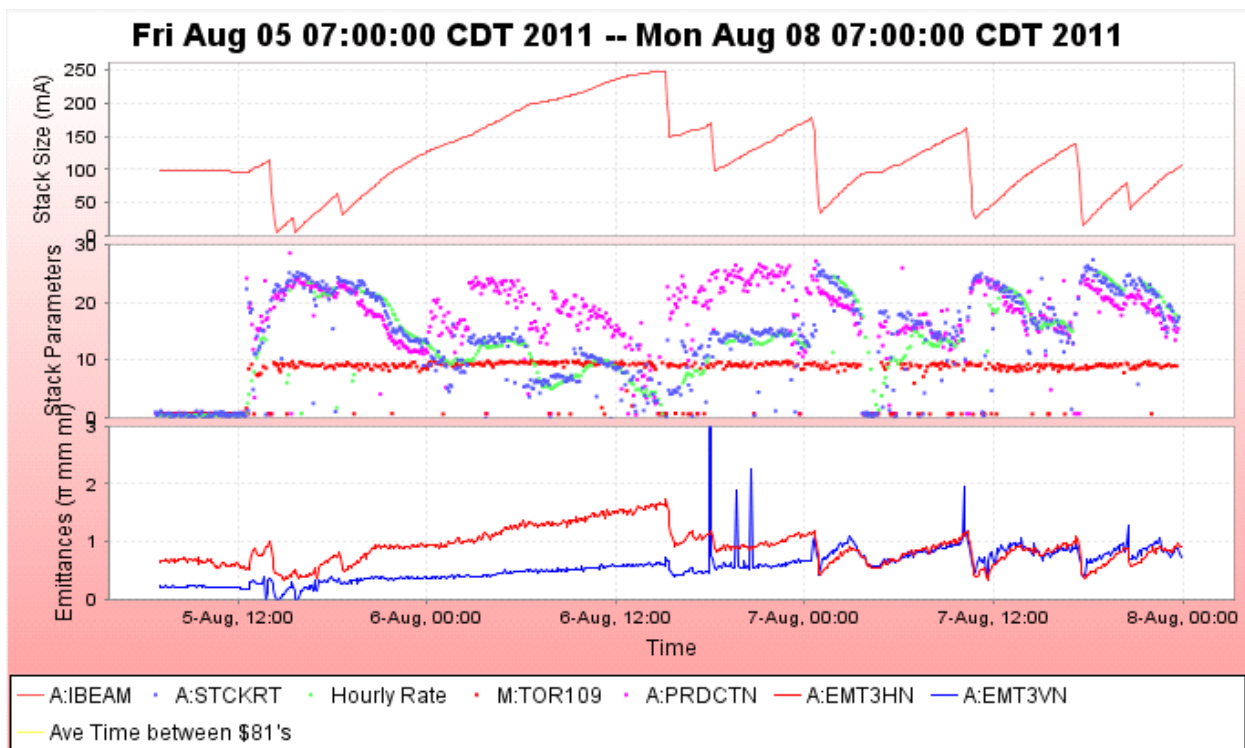
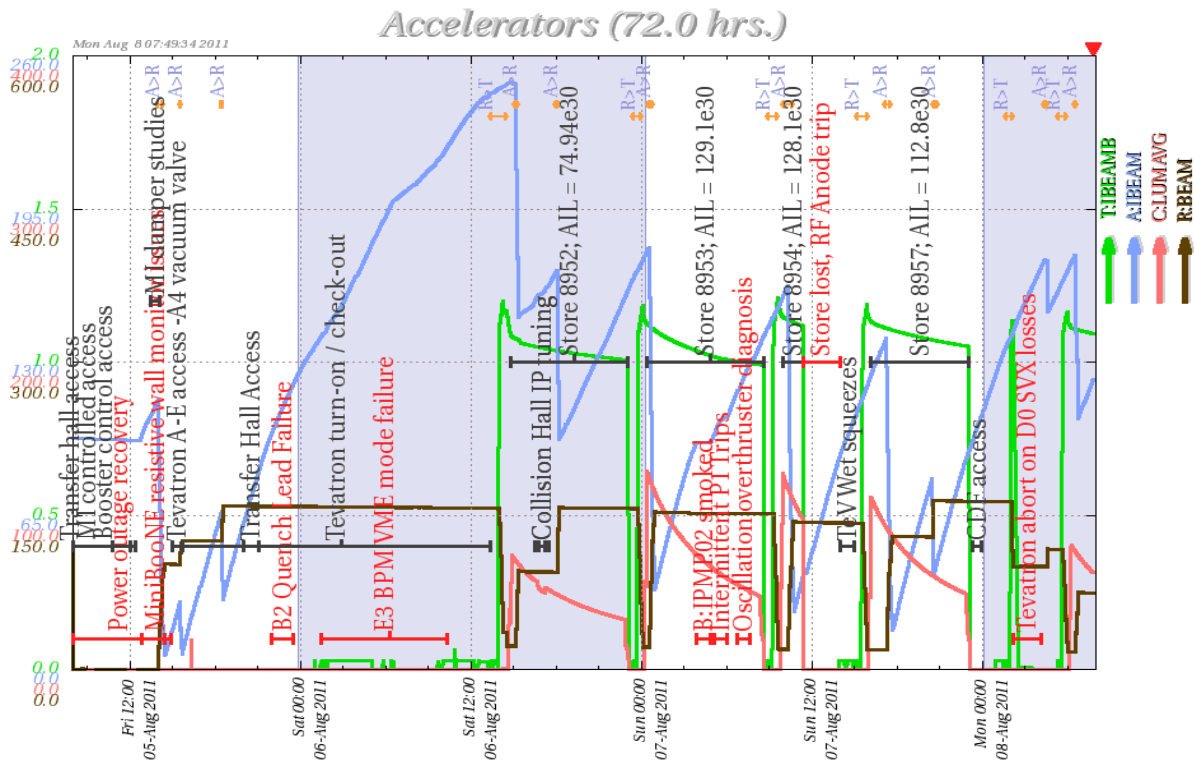
- Large stacks because the Pellatron was down over the weekend.
- MI not well tuned up after power outage from week before
- Overthruster trips. Had to expand the C204 limits on a few trims.

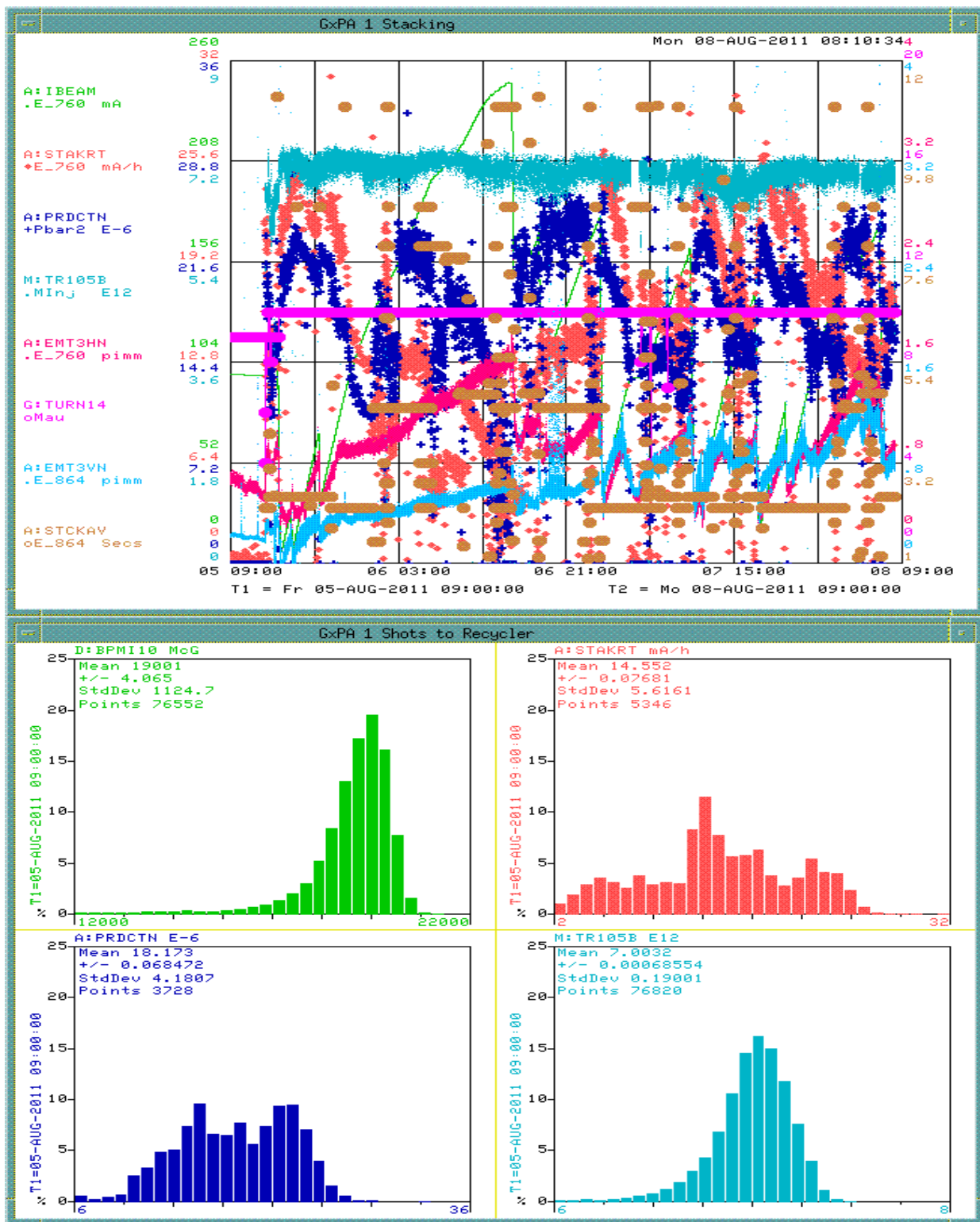
## Numbers

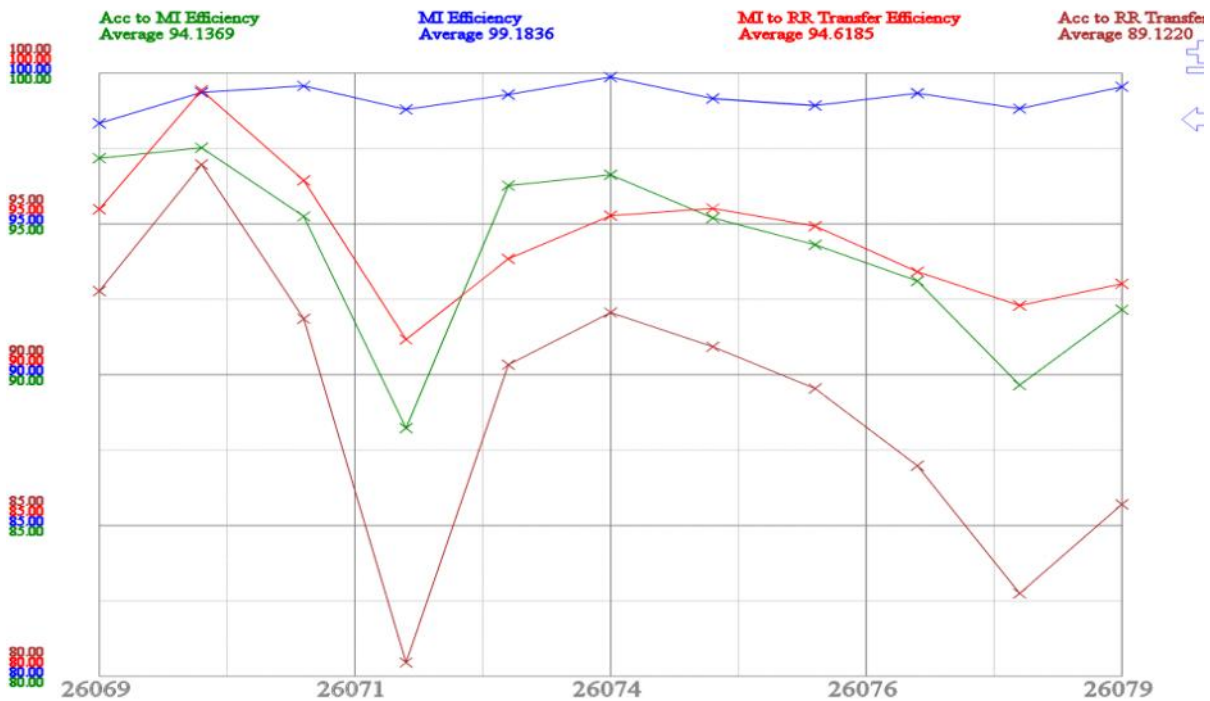
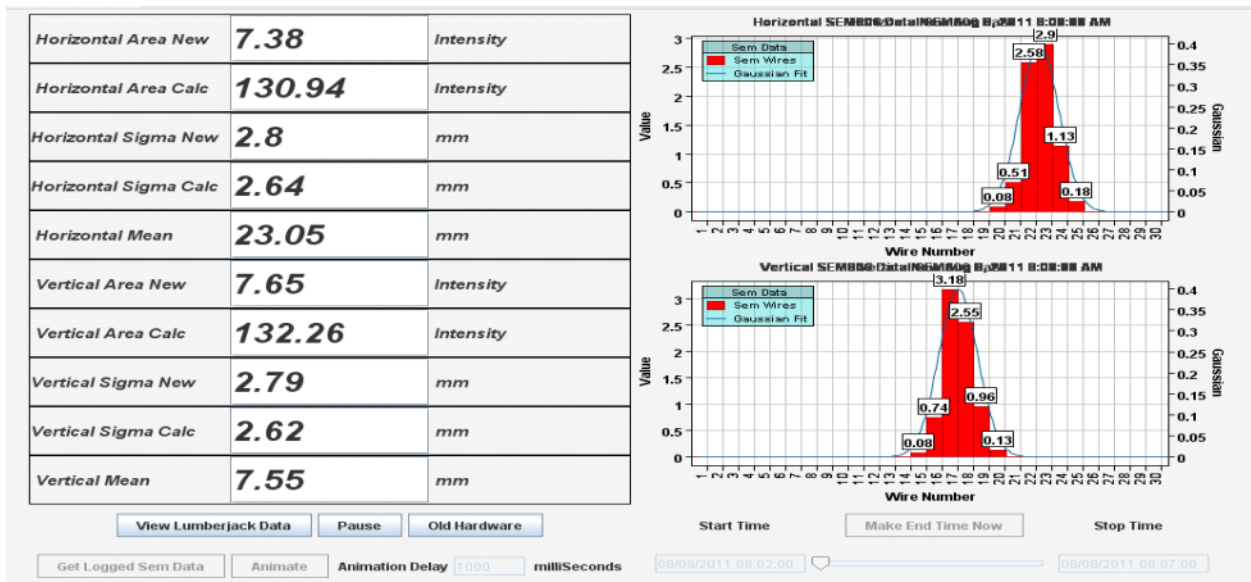
- Stacking
  - Pbars stacked: 1046.89 E10
  - Time stacking: 66.43 Hr
  - Average stacking rate: 15.76 E10/Hr
- Uptime
  - Number of pulses while in stacking mode: 81470
  - Number of pulses with beam: 77170
  - Fraction of up pulses was: 94.72%
- The uptime's effect on the stacking numbers
  - Corrected time stacking: 62.93 Hr
  - Possible average stacking rate: 16.64 E10/Hr
  - Could have stacked: 1105.23 E10/Hr
- Recycler Transfers
  - Pbars sent to the Recycler: 908.81 E10
  - Number of transfers : 49
  - Number of transfer sets: 11
  - Average Number of transfer per set: 4.45
  - Time taken to shoot including reverse proton tuneup: 00.17 Hr
  - Transfer efficiency: 87.84%
- Other Info
  - Average POT : 6.99 E12
  - Average production: 19.40 pbars/E6 protons

## Plots









Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number _20_A-I BEAMB sampled on #91 (A-BEA M7), E10	Column 22 Number _21_A-I BEAMB sampled on #94 (A-BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R-B EAMS (R-BEA ME0[0]) pre sfer E10	Column 24 Number _23_R-B EAM (R-BEA ME0[1]) post sfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number _4_Ace Horizont al Emittanc e	Column 6 Number _5_Ace Vertical Emittan ce	Column 8 Number _7_Ace Longitu dinal Emittan ce	
	Totals =>			909.31		810.56		89.14%	94.24%	93.64%	88.25%	49	11	9.3203	6.3071	1.6164	
	Daily Average =>			303.10		270.19						16	4				
26079	Monday, August 08, 2011	6:31	175.52	106.23	71.25	16.90	76.12	61.06	85.71%	92.10%	91.69%	84.45%	3	1	12.577	9.665	1.258
26078	Monday, August 08, 2011	4:36	173.18	151.65	21.53	100.57	118.39	17.82	82.75%	89.66%	88.60%	79.44%	1	1	13.54	9.879	1.132
26077	Sunday, August 07, 2011	20:30	81.35	39.46	43.00	129.46	165.80	37.33	86.82%	93.06%	92.47%	86.05%	2	1	8.178	8.623	1.811
26076	Sunday, August 07, 2011	17:16	140.35	15.96	130.59	19.12	130.46	115.25	88.25%	93.27%	92.36%	86.15%	8	1	7.266	6.446	1.877
26075	Sunday, August 07, 2011	10:19	162.54	24.20	143.61	19.74	144.78	129.87	90.43%	94.77%	94.03%	89.11%	8	1	8.251	7.622	1.76
26074	Sunday, August 07, 2011	0:34	178.64	33.15	149.59	21.77	154.79	137.49	91.92%	96.60%	96.49%	93.22%	7	1	9.014	7.926	1.588
26073	Saturday, August 06, 2011	18:05	169.29	97.27	73.27	95.21	159.30	66.18	90.32%	96.24%	95.56%	91.96%	3	1	10.68	6.311	1.401
26072	Saturday, August 06, 2011	15:10	246.43	149.20	96.77	22.87	97.27	77.97	80.58%	88.28%	87.21%	77.00%	4	1	15.686	6.437	1.19
26071	Friday, August 05, 2011	18:28	67.04	29.43	38.70	125.85	160.47	35.51	91.76%	95.07%	94.75%	90.08%	2	1	7.227	3.277	1.851
26070	Friday, August 05, 2011	15:32	28.79	6.10	25.13	102.69	126.35	24.25	96.51%	97.54%	96.96%	94.57%	3	1	4.348	1.468	2.003
26069	Friday, August 05, 2011	14:01	114.87	5.71	115.89	0.07	103.77	107.84	93.05%	96.97%	96.56%	93.63%	8	1	5.756	1.724	1.909